



## Department of Energy

Fermi Group  
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FEB 19 1999

John R. O'Fallon, Director  
High Energy Physics Division  
SC-22 GTN

SUBJECT: REQUEST FOR APPROVAL OF NEUTRINOS AT THE MAIN INJECTOR (NuMI) CD-3A,  
LIMITED START OF CONSTRUCTION, FOR THE MINOS FAR DETECTOR  
LABORATORY

In accordance with the NuMI Project Execution Plan, I am requesting approval of a Limited Start of Construction of NuMI (CD-3A) for the MINOS Far Detector Laboratory in Soudan, Minnesota. The scope of this effort is for the cavern and tunnel construction, shaft reconstruction and rock disposal (without utilities and experimental facilities) at the Soudan Underground Mine. The total estimated cost for this effort is \$5.9 million of which the University of Minnesota is providing \$3 million in Fiscal Year 1999. The University of Minnesota opened bids on February 11, 1999, with award expected by the beginning of March 1999 and completed in July 2000. The readiness of the project to start construction of this effort is based on the following:

1. Critical Decision 2, which established the NuMI project baselines was approved on February 17, 1999.
2. The November 1998, Office of Science review of the NuMI Project, which recommended relative to the University of Minnesota MINOS Cavern, "Move forward immediately with the Memorandum of Understanding (MOU) and final design work to allow procurement of the construction contract."
3. The Memorandum of Understanding between Fermilab and the University of Minnesota outlining roles and responsibilities for construction of the MINOS Laboratory was approved on November 10, 1998. (Attachment 1)
4. The bid package has been reviewed and approved by the NuMI Project Manager as meeting the needs of the MINOS detector. (Attachment 2)
5. The DOE NuMI Project Manager using the NuMI Project Monthly reports will actively monitor progress of the MINOS Far Detector Laboratory.

Overall, a management structure is in place to oversee this work and to control the cost, schedule and technical baselines.

If you have any questions, please contact me. If you concur with initiating this work, please sign at the space provided below.

Ronald J. Lutha  
DOE/NuMI Project Manager

Approved:

Signature  
John R. O'Fallon, Director  
High Energy Physics Division

Date

NuMI-21